

Temperature

Digi-Sense® 400-Series Thermistor Probes

Get accurate readings over biological range



Thermistor probes offer excellent accuracy over the biological temperature range. Electrically isolated probes include a non-detachable 10-ft lead with phone plug (except as noted). Water-resistant junctions between probe leads should not be immersed; detachable leads are not water resistant. Probes are accurate to $\pm 0.2^{\circ}\text{F}$ from 32 to 150°F ($\pm 0.1^{\circ}\text{C}$ from 0 to 70°C).

Dimensions†	Temperature range °F (°C)††	Accuracy	Catalog number	Price*	Photo
General-purpose immersion probe, 316 SS with ABS handle. For use with liquids, gases, and semisolids.					
Sheath: 10"L x 0.188" dia Handle: 5.5"L Cable: 5-ft coil cord Phone plug	-40 to 212 (-40 to 100)	±0.2°F from 32 to 150°F (±0.1°C from 0 to 70°C)	GH-93824-00		
General-purpose immersion probe, PFA-coated 316 SS with ABS handle. For use with liquids, gases, and semisolids.					
Sheath: 10"L x 0.200" dia Handle: 5.5"L Cable: 5-ft coil cord Phone plug	-40 to 212 (-40 to 100)	±0.2°F from 32 to 150°F (±0.1°C from 0 to 70°C)	GH-93824-12		
Penetration probe, 316 SS with ABS handle. For use with liquids, gases, and semisolids.					
Sheath: 4"L x 0.188 dia Handle: 5.5"L Cable: 5-ft coil cord Phone plug	-40 to 212 (-40 to 100)	±0.2°F from 32 to 150°F (±0.1°C from 0 to 70°C)	GH-93824-30		
Penetration probe, 316 SS with miniature stainless steel handle. For insertion into semi-solids such as food. Industry number 418.					
Sheath: 4.6875"L x 0.156 dia Handle: 1.25"L Cable: 10-ft PVC cable Phone plug	-40 to 212 (-40 to 100)	±0.2°F from 32 to 150°F (±0.1°C from 0 to 70°C)	GH-08491-16		
Flexible PVC insulated sheath and tip wire probe. Immersible for short-term deep-water and sub soil readings. Industry number 401.					
Sheath/tip: 0.5"L x 0.25" dia (PVC coated tip) Cable: 10-ft cable. Phone plug.	-40 to 212 (-40 to 100)	±0.2°F from 32 to 150°F (±0.1°C from 0 to 70°C)	GH-08491-02		
Sheath/tip: 0.5"L x 0.25" dia (PVC coated tip) Cable: 50-ft cable. Phone plug.			GH-08491-04		
Flexible PVC insulated sheath and tip wire probe. Industry number 403.					
Sheath/tip: 13"L x 0.125" dia (PVC coated tip) Cable: 10-ft cable Phone plug	-40 to 212 (-40 to 100)	±0.2°F from 32 to 150°F (±0.1°C from 0 to 70°C)	GH-08491-05		
Deep water/soil probe, 316 SS probe with waterproof PFA seal. Weighted and insulated for continuous use underwater					
Sheath: 2"L x 0.25" dia Handle: 3"L x 0.562" dia Cable: 50-ft PVC flexible cable Phone plug	-40 to 212 (-40 to 100)	±0.2°F from 32 to 150°F (±0.1°C from 0 to 70°C)	GH-93823-00		
Liquid-immersion probe, 304 SS. Immersible only to cap.					
Sheath: 4.5"L x 0.156" dia Handle: 1.25"L x 0.25" dia Cable: 10-ft cable Phone plug	-40 to 212 (-40 to 100)	±0.2°F from 32 to 150°F (±0.1°C from 0 to 70°C)	GH-08491-06		
Liquid-immersion probe, PYREX® glass. For thermometric titrations. Industry number 404.					
Sheath: 5"L x 0.187" dia Cable: 10-ft cable Phone plug	-40 to 212 (-40 to 100)	±0.2°F from 32 to 150°F (±0.1°C from 0 to 70°C)	GH-08491-13		
Surface probe, 316 SS with stainless steel handle. For use on flat surface, and soil temperatures. Industry number 409.					
Sheath: 3.625"L x 0.058" dia Disk: 0.106" dia; Handle: 1.25"L Cable: 10-ft cable Phone plug	-40 to 212 (-40 to 100)	±0.2°F from 32 to 150°F (±0.1°C from 0 to 70°C)	GH-08491-09		
Surface probe, epoxy-backed 316 SS disk with stainless steel handle and flexible wire. Not electrically isolated or autoclavable and with non-detachable lead. Industry number 427.					
Sheath: 24"L (flexible wire) Disk: 0.106" dia; Handle: 1.25"L Cable: 10-ft cable Phone plug	-40 to 212 (-40 to 100)	±0.2°F from 32 to 150°F (±0.1°C from 0 to 70°C)	GH-08491-11		
Surface probe, epoxy-backed 316 SS disk with flexible PVC covered leads. Recommended for flat-surface temperature measurements. Industry number 409B.					
Disk: 0.375" dia x 0.125"D Cable: 10-ft cable Phone plug	-40 to 212 (-40 to 100)	±0.2°F from 32 to 150°F (±0.1°C from 0 to 70°C)	GH-08491-10		
1/8"-NPT fitting probe, 316 SS. For closed pipes or vessels. Probe and fitting are autoclavable except lead; lead is detachable via BNC connector. Not electrically isolated. Industry number 416.					
Sheath: 1"L x 0.156" dia (total length 3.25") Cable: 10-ft cable Phone plug	-40 to 212 (-40 to 100)	±0.2°F from 32 to 150°F (±0.1°C from 0 to 70°C)	GH-08491-14		
Air temperature probe, 316 SS. For test rooms, gas stream temperatures, and incubators. 316 SS cage around epoxy-encapsulated thermistor. Industry number 405.					
Sheath: 1.875"L x 0.50" dia 10-ft cable Phone plug	-40 to 212 (-40 to 100)	±0.2°F from 32 to 150°F (±0.1°C from 0 to 70°C)	GH-08491-08		

†Temperature range is for the probe tip only. The handle material may be affected if the probe is rated higher than the handle depending on exposure time, application, and handle material. ABS handles are rated to 220°F (104°C); PVC handles are rated to 200°F (93°C); Stainless steel handles are rated to 450°F (232°C).

*Overall probe sheath lengths may vary up to $\pm 0.25"$.

*Discounts: Save 10% on 6-10 probes of any assortment, 15% on 11-24 probes, and 20% on 25-50 probes.